



Charles E. Johnson, CPA
Office Director
Brad T. Barber
Office Deputy Director
Rod D. Millar
Committee Chairman
John A. Harja
Executive Director

State of Utah
OFFICE OF PLANNING AND BUDGET
Resource Development Coordinating Committee

116 State Capitol
Salt Lake City, Utah 84114
(801) 538-1027

September 15, 1992

RECEIVED

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DIVISION OF
OIL GAS & MINING

Holland Shepherd
Division of Oil, Gas, and Mining
355 West North Temple, Suite 350
Salt Lake City, Utah 84180-1203

SUBJECT: Cricket Mountain Quarry Plan Revision
State Identifier Number: UT920828-050

Dear Mr. Shepherd:

The Resource Development Coordinating Committee, representing the State of Utah, has reviewed this plan revision. The Division of Wildlife Resources comments:

This project's impacts will result in the loss of 70 acres of high priority yearlong pronghorn antelope range, yearlong chukar range, and winter high priority chukar range.

This area is extremely dry, and could benefit greatly by the addition of guzzlers. We have worked with the BLM and have agreed to a joint recommendation of two guzzlers as mitigation. The exact locations of the guzzlers will be determined later; one will be north of the mine site, the other south. The cost will be approximately \$3,000 per guzzler. We request support for this mitigation.

Attached is a seeding procedure and seed list for their revegetation plan.

The Committee appreciates the opportunity to review this proposal. Please direct any other written questions regarding this correspondence to the Utah State Clearinghouse at the above address or call Carolyn Wright at (801) 538-1535 or John Harja at (801) 538-1559.

Sincerely,

Brad T. Barber
State Planning Coordinator

BTB/rpj
Attachment

Table 1. Revegetation prescription for disturbed areas within the GRASSLAND ecosystem in the COLD DESERT ecological association.¹

Plant Material	Pounds of Pure Live Seed/Acre
GRASS SPECIES²:	
Western wheatgrass (<u>Agropyron smithii</u>)	1.5
Intermediate wheatgrass (<u>Agropyron intermedium</u>)	1.5
Sand dropseed (<u>Sporobolus cryptandrus</u>)	0.2
Bottlebrush squirreltail (<u>Sitanion hystrix</u>)	1.0
Indian ricegrass (<u>Stipa hymenoides</u>)	1.0
Galleta (<u>Hilaria jamesii</u>)	1.0
Needle-and-thread grass (<u>Stipa comata</u>)	1.0
Russian wildrye (<u>Elymus junceus</u>)	1.0
Paiute orchardgrass (<u>Dactylis glomerata</u>)	0.5
FORB SPECIES³:	
Norhtern sweetvetch (<u>Hedysarum boreale</u>)	1.0
Small burnet (<u>Sanguisorba minor</u>)	1.0
Gooseberryleaf globemallow (<u>Sphaeralcea grossulariifolia</u>)	0.5
Scarlet globemallow (<u>Sphaeralcea coccinea</u>)	0.5
Eaton penstemon (<u>Penstemon eatonii</u>)	0.5
Lewis flax (<u>Linum lewisii</u>)	1.0
TOTAL	13.2
SHRUB AND TREE SPECIES⁴:	
None recommended from seeding due to competition with grass and forb species	
NURSERY OR TRANSPLANT STOCK⁵:	
Fourwing saltbush (<u>Atriplex canescens</u>)	STEMS/ACRE (SPACING)
Basin big sagebrush (<u>Artemisia tridentata tridentata</u>)	Plant 242 of each species per acre.
Winterfat (<u>Eurotia lanata</u>)	Random placement should be 6 feet
Longflower snowberry (<u>Symphoricarpus longiflorus</u>)	apart to reach a goal of 1,210
Cliffrose (<u>Purshia mexicana</u>)	stems/acre. Consideration could
	also be given to establishing the
	stock in windbreak alignments.

¹Note attachment: Recommended guidelines for seedbed preparation and planting techniques in the COLD DESERT ecological association.

²Alternate grass species: Pubescent wheatgrass (Agropyron intermedium trichophorum), Thickspike wheatgrass (Agropyron dasystachyum), Alkalisacaton (Sporobolus airoides), Spike dropseed (Sporobolus contractus),

³Alternate forb species: Redstem filaree (Erodium cicutarium), Showy goldeneye (Helimeris multiflora), Palmer penstemon (Penstemon palmeri), Creeping penstemon (Penstemon linarioides), Alfalfa (Medicago sativa)⁶, Yellow sweetclover (Melilotus officinalis)⁶

⁴Alternate shrub and tree species: None recommended from seeding due to competition with grass and forb species

⁵Alternate nursery or transplant stock: Gardner saltbush (Atriplex gardneri), Wyoming big sagebrush (Artemisia tridentata wyomingensis), Green Mormon-tea (Ephedra viridis), Spiny hopsage (Grayia spinosa), Pigmy sagebrush (Artemisia pygmaea), Bitterbrush (Purshia tridentata)

⁶Use only if soil is low in nitrogen content